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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : <b>A61K 9/127, 38/19</b>	<b>A1</b>	(11) International Publication Number: <b>WO 96/29989</b> (43) International Publication Date: <b>3 October 1996 (03.10.96)</b>
(21) International Application Number: <b>PCT/US96/04261</b> (22) International Filing Date: <b>28 March 1996 (28.03.96)</b> (30) Priority Data: <b>08/414,161</b> <b>31 March 1995 (31.03.95)</b> <b>US</b> (71) Applicant: <b>AMGEN INC. [US/US]; Amgen Center, 1840 Dehavilland Drive, Thousand Oaks, CA 91320-1789 (US).</b> (72) Inventors: <b>COLLINS, David; 127 McAfee, Thousand Oaks, CA 91360 (US). CHA, Younsik; 1267 Calle Olmo, Thousand Oaks, CA 91360 (US). BREMS, David; 3778 Calle Clara Vista, Newbury Park, CA 91320 (US).</b> (74) Agents: <b>ODRE, Steven, M. et al.; Amgen Inc., Amgen Center, 1840 Dehavilland Drive, Thousand Oaks, CA 91320-1789 (US).</b>	(81) Designated States: <b>AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b>  <b>Published</b> <i>With international search report.          Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	

(54) Title: **STABLE PROTEIN:PHOSPHOLIPID COMPOSITIONS AND METHODS**

## (57) Abstract

The invention relates to stable compositions of proteins and related methods wherein a protein capable of transitioning into the molten globular state is contacted with a negatively charged lipid vesicle, thereby stabilizing the protein against thermally-induced aggregation, denaturation, and loss of activity. The protein:phospholipid complex directly stabilizes the secondary and tertiary structure of the protein, and the compositions are useful in high temperature formulations and in novel delivery vehicles.

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